



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Mahmoud ABDEL-RAHMAN, et al.

Serial No.: 09/910,731

Examiner: C. Oda

Filing Date: July 24, 2001

Group Art Unit: 2858

Title: ENHANCING THE STABILITY OF ELECTRICAL DISCHARGER

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

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TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee (Address envelope to "Box Non-Fee Amendments")  
( ) Other: \_\_\_\_\_ (fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	20	MINUS	20	= 0	X \$18	\$ 0
INDEP. CLAIMS	4	MINUS	4	= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$410.00	3RD MONTH \$930.00	4TH MONTH \$1450.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit:

Typed Name:

Signature: \_\_\_\_\_

Respectfully submitted,

Mahmoud ABDEL-RAHMAN, et al.

By \_\_\_\_\_

Sean S. Wooden

Attorney/Agent for Applicant(s)  
Reg. No. 43,997

Date: March 25, 2003

B



*OK to enter C. Oda 03/29/2003*

**Attorney Docket No.: 10010911-1**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Mahmoud ABDEL-RAHMAN, et al. ✓ Examiner: C. Oda ✓  
Serial No.: 09/910,731 ✓ Art Unit: 2858 ✓  
Filed: July 24, 2001 ✓  
For: **ENHANCING THE STABILITY OF ELECTRICAL DISCHARGER**

*Handwritten notes:*  
#8/B  
3/27/03  
(N.E.)

**Box Fee Amendment**  
Commissioner of Patents  
Washington, D.C. 20231

**AMENDMENT AND RESPONSE**

Sir:

In response to the January 29, 2003 Office Action, please amend the above-identified application as follows:

**In the Claims:**

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*B1*  
**A<sub>21</sub>**. (Amended) An electronic circuit comprising:

a first electrode for electrical connection to an ionization detector system;  
a second electrode for electrical connection to the ionization detector system;  
a transformer electrically connected to the first electrode and to the second electrode for creating a spark between the first electrode and the second electrode;  
a DC voltage source electrically connected to a primary portion of the transformer; and

a current monitor electrically connected to a primary portion of the transformer.

*20*  
**A<sub>22</sub>**. (Amended) A method of generating an electrical discharge for an ionization detector system comprising:

providing a first electrode and a second electrode, each electrically connected to the ionization system;

providing a transformer electrically that is connected to the first electrode and the second electrode, including a first resistor and a second resistor in a secondary portion of the transformer;

inputting a DC voltage into the primary portion of the transformer;

*B*